



NC/QC/EYNK/2023-24/PMC

Date: 13-07-2023

To,  
The Executive Engineer,(ELE)  
Yelahanka Division,  
Bangalore.

### "FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

NAME OF WORK:- Providing and Installation of Decorative Tusker Street Light Poles and Lights from Tirumala Daba to M S Palya Circle in Ward No.03

| Item No | Description of work                                                                                                                                                                   | Unit | Qty   | No of Samples Tested | Standards   |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------------|-------------|
| 1       | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates | Cum  | 8.09  | 1                    | Per 100 cum |
| 2       | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works  | Cum  | 53.22 | 4                    | Per 50 cum  |
| 3       | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22)    | Ton  | 2.27  | 2                    | Per Dia     |

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

A/s'  
*[Signature]*

With Regards,  
*[Signature]*  
For Newzen Consultants Bangalore





NC/QC/EYNK/2023-24/PMC

Date: 13-07-2023

To,  
The Executive Engineer,(ELE)  
Yelahanka Division,  
Bangalore.

**"PMC CERTIFICATE AND INSPECTION REPORT"**

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

NAME OF WORK:- Providing and Installation of Decorative Tusker Street Light Poles and Lights from Tirumala Daba to M S Palya Circle in Ward No.03

| Item No | Description of work                                                                                                                                               | Unit | Qty    | Remarks                                                            |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|--------------------------------------------------------------------|
| 1       | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar               | Cum  | 80.93  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 2       | Cost of Haulage Excluding Loading and Unloading Taking output 25 t load and lead 10 km = 250 t.km 5 rs /km= 8km = 5*8 = 40                                        | t.km | 103.58 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 3       | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates | Cum  | 8.09   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 4       | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works &   | Cum  | 53.22  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 5       | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1            | Ton  | 2.27   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 6       | Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti            | Nos  | 381.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 7       | Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti            | Nos  | 50.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 8       | Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti            | Nos  | 242.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 9       | Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube      | Nos  | 431.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |

Al's



| Item No | Description of work                                                                                                                                                 | Unit | Qty       | Remarks                                                            |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------------------------------------------------------|
| 10      | Fabricating, supplying and erecting swaged tubular pole of height ...Mtr having three sections, and providing two coats of red oxide paint and finished             | Nos  | 21.00     | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 11      | Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with  | Nos  | 21.00     | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 12      | Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1,     | Mtrs | 3035.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 13      | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct. 25 sqmm     | Mtrs | 500.00    | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 14      | Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-      | Mtrs | 3535.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 15      | Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-                       | Mtrs | 2490.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 16      | Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than .25mm on pole/wall/drain crossing with necessary clamping arrangements for UG | Mtrs | 2420.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 17      | Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with                    | Mtrs | 60.00     | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 18      | Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel                                          | nos  | 12.00     | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 19      | Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI              | nos  | 1162.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 20      | Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI              | nos  | 6.00      | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 20      | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and | Mtrs | 48.00     | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 21      | Fabricating supplying and mounting MS box made out SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation,          | Sqmm | 210000.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 22      | Supplying and fixing Moulded Case Circuit Breaker (MCCB)over the existing wood/panel board using necessary screws,bolts, nuts, necessary phase                      | nos  | 6.00      | Work done upto the Billed Quantity and the Quality is Satisfactory |



| Item No | Description of work                                                                                                                                                       | Unit | Qty    | Remarks                                                            |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|--------------------------------------------------------------------|
| 23      | Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. | Nos  | 342.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 24      | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm Copper strip                                     | Mtrs | 30.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 25      | Supplying & fixing of retrofit type - LED bulb.....W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%, efficacy >80 lumen per         | Nos  | 83.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 26      | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps                                         | Nos  | 18.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 27      | Supplying and fixing of Spiral Earth Electrodes as per standard technical specification as per ESCOM.                                                                     | Each | 83.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 28      | Erection of steel supports 9.0 to 10.00 mtr long such as 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail I Beam of sizes 200x100mm,                                        | Each | 100.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 29      | Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. | Each | 100.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 30      | Hiring of 35 tons capacity Crane for releasing and refixing of High Mast                                                                                                  | Hour | 100.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 31      | Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field                | Nos  | 6.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 32      | Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field                | Nos  | 50.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 33      | Fabricating, Supplying and erection of decorative bent type Tuskar Conical Street light pole with hot dip Galvanized with BSEN 10025 grade S 355 JO Steel plate           | nos  | 83.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| 34      | Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE Pipe i) Normal                      | Mtrs | 150.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E1      | Aerial Bunched Cable (ABC) 1.1 kV, LT Aerial Bunched Cable, XLPE insulation conforming to IS-14255: 1995 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated                  | Km   | 1.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E2      | LABOUR for Aerial Bunched Conductor & Accessories Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of                                             | Km   | 1.00   | Work done upto the Billed Quantity and the Quality is Satisfactory |



| Item No | Description of work                                                                                                                                                    | Unit | Qty   | Remarks                                                            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------------------------------------------------------------------|
| E3      | Supply of Suspension Clamp suitable for insulated Messenger wire of size 25 to 95 Sqmm                                                                                 | Nos  | 25.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E4      | Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connection                                                                                   | Nos  | 42.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E5      | Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of Pole Clamp and Eye Hook)                                                                | Nos  | 4.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E6      | Erection of Suspension Clamp - 25 to 95 Sqmm bare messenger                                                                                                            | Nos  | 25.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E7      | Installation of Insulation piercing connector for Main to Street Light Main : 16-95 Sqmm, Tap: 1.5-10 Sqmm (EP95)                                                      | Nos  | 42.00 | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E8      | Fixing of Dead End Clamp                                                                                                                                               | Nos  | 4.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |
| E9      | Fabricating, Supplying and erection of decorative Zig-Zag bent type Street light pole with hot dip Galvanized with BSEN 10025 grade S 355 JO Steel plate for shaft, IS | Nos  | 6.00  | Work done upto the Billed Quantity and the Quality is Satisfactory |

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,



For Newzen Consultants Bangalore